

Aliphatic Oxime Compounds of Cu, Ni and Co

78-3-5-14/39

follows: Ethyl-methyl-dioxime, dimethyl-dioxime, methyl-dioxime, monoxime-diacetyl, dimethyl-dioxime-ether. Nickel and dimethyl-dioxime-ether form a very unstable compound unextractable from chloroform. There are 1 figure, 5 tables, and 15 references, 3 of which are Soviet.

SUBMITTED: April 24, 1957

AVAILABLE: Library of Congress

1. Metalorganic compounds--Stabilization--Analysis
2. Organic reagents--Structural effects
3. Oximes--Stabilization--Analysis
4. Aliphatic compounds--Stabilization--Analysis

Card 2/2

Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 1, p 281 (USSR) SOV/137-59-1-2143

AUTHORS: Peshkova, V. M., Bochkova, V. M.

TITLE: Investigation of the Properties of Complex Compounds of Cobalt With Nitroso- and Isonitroso Compounds (Issledovaniye svoystv kompleksnykh soyedineniy koba'l'ta s nitrozo- i izonitrozosoyedineniyami)

PERIODICAL: Tr. Komis. po analit. khimii AN SSSR, 1958, Vol 8(11), pp 125-134

ABSTRACT: The authors studied the process of the reaction of α -nitroso- β -naphthol (I) and β -nitroso- α -naphthol (II) with Co in the presence of Fe and Ni. It was established that Co with II has greater sensitivity and that it can be determined in the presence of 60 parts Ni and 3000 parts Fe. To a solution containing Ni, Fe, and Co are added: 0.2 cc of 30% H_2O_2 solution and 2-3 drops of 5% NaOH solution. The precipitate is dissolved in 2 cc CH_3COOH with slight heating, 3-5 cc of 1% acetic acid solution of I or II are added, the mixture is diluted to 25 cc with water, and the colored complex is extracted with benzol. The benzol layer is washed with 10-12 cc of 6N HCl, which completely decomposes Ni and Fe complexes. Then the solution is washed with water, excess reagent is removed by washing once with

Card 1/2

SOV/137-59-1-2143

Investigation of the Properties of Complex Compounds of Cobalt (cont.)

2N NaOH and twice with water, and the solution is read photometrically at 416 m μ .
0.10 g of steel are dissolved by heating in a mixture of HCl and HNO₃, taken
almost to dryness, and transferred into a 250-cc flask. Co is determined in an
aliquot portion. The completeness of the extraction was verified with Co⁶⁰.

K. K.

Card 2/2

AUTHOR: Billmerich, G. M.
 TITLE: Section of Analytical Chemistry of the VIII Mendeleev Congress on General and Applied Chemistry
 PERIODICAL: Zhurnal analiticheskoy khimii, 1959, Vol 14, Nr 4, pp 511-512 (USSR)

ABSTRACT:

Approximately 500 persons participated in the work of the Section of Analytical Chemistry, among them representatives of scientific research institutes, higher schools and industrial enterprises in Russia, Poland, Czechoslovakia, Bulgaria, the USSR, Poland, Hungary, and others. The reports were heard. In his opening speech, V. P. Alimov reported on the achieved results and on modern problems of analytical chemistry. V. P. Alimov reported on the application of physico-chemical analysis in heterogeneous systems for the solution of a series of problems of analytical chemistry. T. L. Kuznetsov reported on modern data in the use of organic reagents. A. K. Malik showed at the example of halide and thiocyanate complexes the correlation between the stability of complexes and the position of the corresponding central atoms in the periodic system. M. M. Zolotarev and V. A. Zhuravskiy lectured on the stability of oxides of Cu, Co, and Ni as depending on the structure of the oxides molecules. N. Zolotarev lectured on the double character of reaction of some compounds in the formation of complexes. The problem of the application of heteropolyacids in analytical chemistry was dealt with in the lectures of E. P. Gashova and co-workers, and A. I. Kozlov and E. A. Bolshakova. A large number of lectures dealt with the use of new organic reagents in analysis: A. I. Buzan and M. I. Kuznetsov reported on the application of diallyl and diethyl dithiophosphoric acid for the separation of elements, A. K. Bolshakov used his arsenic acid and aryl phosphoric acid. E. P. Lavrovskiy and lectures of A. A. Bolshakov dealt with the properties of new complexes. The lecture of A. A. Bolshakov dealt with the properties of new complexes using fluorine derivatives. A. I. Chertkov lectured on the use of halochromation in analytical chemistry. A. M. Bobkina and E. A. Malygina lectured on the determination of tantalum using differential spectrophotometry. T. V. Kravchenko and E. A. Bolshakova reported on new highly sensitive analysis methods using an ultraviolet microscope. Several lectures dealt with methodical and theoretical problems of spectrum analysis (G. P. Zakharenko and G. A. Shumilov; E. K. Zakharenko and E. K. Zakharenko).

Card 1/4

Card 2/4

Card 3/4

The lecture of A. A. Zakharenko dealt with the perfection of flame photometry. Several lectures dealt with the determination of elements by photometry (G. P. Zakharenko and E. K. Zakharenko). The lecture of E. K. Zakharenko dealt with the results in using fused electrodes were reported by E. K. Zakharenko and E. K. Zakharenko. The lecture of E. K. Zakharenko and E. K. Zakharenko dealt with the use of asperometric titration with two electrodes in the chemistry of uranium and thorium. E. K. Zakharenko showed possibilities of predicting the conditions of chromatographic separation of elements based on their position in the periodic system. E. A. Belyavskaya reported on the use of ion exchange in the investigation of the state of substances in solutions. A. A. Zakharenko and E. K. Zakharenko lectured on the chromatographic separation of a series of elements. E. K. Zakharenko lectured on the properties of ion exchange resins. E. K. Zakharenko and associates reported on the chromatographic proof of sulfonamide preparations in liquids of the organism. G. L. Starobinina and associates treated the application of high polymers in chromatographic analysis. The lecture of A. A. Zakharenko and E. K. Zakharenko dealt with radioactive isotopes for the chromatographic investigation of complex formation (E. K. Zakharenko and associates), for the investigation of the co-precipitation mechanism of ions of rare metals with sulfides (E. K. Zakharenko) and for determining rare elements by means of isotope dilution (E. P. Alimov, G. K. Zakharenko, and E. K. Zakharenko). The lecture of E. K. Zakharenko and associates dealt with the rapid micro-methods for the simultaneous determination of several elements from one weighed portion of bones, fluorine and silicon-organic compounds.

PESHKOVA, V.M.; BOCHKOVA, V.M.; LAZAROVA, L.I.

Spectrophotometric determination of trace amounts of nickel in pure indium and aluminum. Zhur. anal. khim. 15 no.5:610-613 S-O '60.
(MIRA 13:10)

1. M.V. Lomonosov Moscow State University.
(Nickel--Analysis) (Indium--Analysis)
(Aluminum--Analysis)

5.5310

28283

S/075/61/016/005/003/010
B101/B110

AUTHORS: Peshkova, V. M., Bochkova, V. M., and Astakhova, Ye. K.

TITLE: Spectroscopic determination of nickel traces in indium

PERIODICAL: Zhurnal analiticheskoy khimii, v. 16, no. 5, 1961, 596 - 598

TEXT: In a previous paper (Zh. analit. khimii, 15, 610 (1960)) the authors suggested the use of nickel dioximates for the spectroscopic determination of Ni in In or Al. The purpose of the present paper was to increase the sensitivity of this method by separating the reagent from the nickel compound, as the former absorbs light in the same spectral region.

α -benzyl dioxime was preferred to α -furyl dioxime as a reagent, as its Ni compound is stable to alkalies, and the free reagent can be removed from the chloroform solution with NaOH. The investigation was carried out at $\lambda = 273 \text{ m}\mu$ ($\epsilon = 50,000$) with an CF-4 (SF-4) spectrophotometer with hydrogen lamp. 1 g of In is dissolved in 10 ml concentrated HNO_3 , the

solution is boiled down, and the residue is placed into a separating funnel with 20 ml of 20% citric acid and 5 - 10 ml of a 20% potassium-sodium tartrate solution to prevent the formation of indium hydroxide. NaOH is
Card 1/3

X

28283

Spectroscopic determination of nickel ...

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added up to pH 8 - 11. 2 ml of a 0.02% ethanolic solution of α -benzyl dioxime is then added, as well as ethanol up to a concentration $\geq$ 20%, which ensures a constant optical density of the CHCl_3 extract. After mixing for 10 - 15 sec, extraction is carried out for 2 min with 5 ml of CHCl_3 . The CHCl_3 solution is washed twice with 5 ml of 1 N NaOH each time. The optical density is then measured at 275 m μ . The Co and Cu compounds of α -benzyl dioxime, which likewise absorb in this spectrum region, are not stable to NaOH. The CHCl_3 solution of Ni- α -benzyl dioximate obeys the Lambert - Beer law in the concentration range 0.005 - 5 μ in 5 ml. This method permits the determination of nickel traces down to $5 \cdot 10^{-7}\%$ with a reproducibility of $\pm 25\%$. There are 2 figures, 2 tables, and 4 references: 2 Soviet and 2 non-Soviet. The 2 references to English-language publications read as follows: Banks, C., Barnum, D., J. Amer. Chem. Soc. 80, 4767 (1958); Usumasa, Y., Waschizuko, S., Bull. Chem. Soc. Japan 29, 403 (1956).

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova
(Moscow State University imeni M. V. Lomonosov)

Card 2/3

FEL'DMAN, I.Kh.; MIKHEYEVA, L.F.; Prinimali uchastiye: BOCHKOVA, V.P.;
BRIKER, A.V.

Amino sulfides and amino sulfones. Part 25: Addition of
p-acetoaminophenylsulfinic acid to certain aldehydes. Zhur.-
ob.khim. 32 no.4:1046-1050 Ap '62. (MIRA 15:4)

1. Leningradskiy khimiko-farmatsevticheskiy institut.
(Benzenesulfinic acid) (Aldehydes)

YAKUSHKIN, M.I.; BOCHKOVA, V.P.

Synthesis of dinitriles of azelaic and sebacic acids. Khim.
prom. no. 4:273-275 Ap '64. (MIRA 17:7)

QNC H KONA, 40: A.

Reaction of dialkyl phosphorus acids with aldehydes and ketones. V. *n*-methoxyethyl, *n*-ethoxyethyl, *n*-butoxyethyl, *n*-pentoxyethyl phosphonic acids. V. S. Abramov, Yu. A. Bozhkova, and A. D. Polyakova (S. V. Kurov Chim. Zavod. (1953), ref. C. A. 47, 3237; 3314; 48, 2573; — (ROCH₂)₂CH₂PO₂H react with aldehydes and ketones, with much evolution of heat in the presence of catalytic amounts of MeO-*n*-Bu₂POH. However the expected esters of (hydroxyalkyl)-phosphonic acids undergo decomposition, or decompose, to the initial reactants on attempted vacuum distillation. (only the product from Me₂CO could be distilled); hence the products were purified by contact with adsorbents such as Al₂O₃ or activated C in MeOH or CH₂Cl₂. The ease of cleavage of the (1-hydroxyalkyl)phosphonates is ascribed to an intramolecular H bond between the HO group and the phosphoryl group. Usually a lower temp. during the purification facilitates the isolation. The course of the reaction was followed by comparison of the yields, consists of the initial reaction mixture (without MeO-*n*-Bu) with that of the final mixt.; the purification with Al₂O₃ was run by heating 1–2 hrs. on a steam bath, then with activated C also 1–2 hrs. on a steam bath, and then with the solvent *in vacuo*. The products obtained (%) distill, *n* and *d* are given): (MeOCH₂CH₂O)₂P(O)CHOH, yield 70.9, *n*_D 1.4491, 1.981; (MeOCH₂CH₂O)₂P(O)C(CH₃)OH, 60.3, *n*_D 1.4436, 1.9365; (MeOCH₂CH₂O)₂P(O)CH(OCH₂CH₂OMe), 59.7, 1.5065; 1.2241; — (MeOCH₂CH₂O)₂P(O)OCH₂CH₂OMe, 59, 1.4975; — (MeOCH₂CH₂O)₂P(O)CMeOH, — (bp. 125–0°), 1.4345, 1.1573 (undist. product, 66.4%, *n*_D 1.4305, *d*₄ 1.1540); (MeOCH₂CH₂O)₂P(O)C(CH₃)CH₂Me, — (1.4404, 1.919); (EtOCH₂CH₂O)₂P(O)COHCH₂Me, 53.8, 1.4630, 1.1618; (EtOCH₂CH₂O)₂P(O)C(CH₃)OH, 67.3, 1.4478, 1.1228; (EtOCH₂CH₂O)₂P(O)C(CH₃)CH₂Me, 53.1, 1.4478, 1.100; (EtOCH₂CH₂O)₂P(O)C(CH₃)Ph, 69.5, 1.4988, 1.188; *n*-HOCH₂CH(OH)P(O)(OCH₂CH₂OMe)₂, 50.7, 1.193; (EtOCH₂CH₂O)₂P(O)CH₂CH₂OH, 34 (at 164–5°), 1.4410, 1.097; (EtOCH₂CH₂O)₂P(O)C(CH₃)OHCH₂Me, 53, 1.4570, 1.1236; (EtOCH₂CH₂O)₂P(O)C(CH₃)CH₂Me, 74.6, 1.4562, 1.110; MeEtCO, MeEt₂CO, AcPh, PhCO, (PAC₂H₅)₂CO and Bz₂ showed evidence of reaction but the desired products could not be isolated. G. M. Koshop.

C. M. Kaslani

BOCHKOVA, Z.I., assistant

Prevalence and clinical forms of rheumatic fever among school children in Novosibirsk and in Novosibirsk Province. Trudy Novosib.gos.med.inst. 27:331-344 '57. (MIRA 12:9)

1. Iz kafedry detskikh bolezney (zav.dots. A.V.Solov'yev)
Novosibirskogo meditsinskogo instituta.
(NOVOSIBIRSK PROVINCE--RHEUMATIC FEVER)

KOBZAR', I.; BOCHKOVY, V.

Work training on tractor-driven multiple-purpose machinery.
Prof.-tekh.obr. 22 no.8:7 Ag '65.

(MIRA 18:12)

1. Zamestitel' direktora po uchebno-proizvodstvennoy rabote kochubeyevskogo sel'skogo professional'no-tekhnicheskogo uchilishcha No.8, Stavropol'skiy kray (for Kobzar').
2. Starshiy master kochubeyevskogo sel'skogo professional'no-tekhnicheskogo uchilishcha No.8, Stavropol'skiy kray (for Bochkovoy).

BOCHKOVY, Yu. D.

BOCHKOVY, Yu. D.: "Geological-petrographic characteristics of the metamorphic slates of the Laba and Urup river basins in the northern Caucasus". Stalino, 1954. Min Higher Education USSR, Rostov na Donu State U imeni V. M. Molotov, Geography Faculty. (Dissertation for the Degree of Candidate of Geologico-Mineralogical Sciences)

SO: Knizhnaya Letopis', No. 40, 1 Oct 55

Die ir: E/c

Chemical composition and physico-mechanical properties of Krivofog agglomerate. B. M. Nosovitskii and Yu. D.

Buchkov, Sbornik Novich. Trudov. Ma. No. 1. 1955
 No. 4, 24-30. Kojene. Ma. 1956

Atat. No. 11883. -- The particle-size composition of aggregates of Krivoy Rog agglomerate (I) was studied in hoppers and on the unloading of a blast-furnace plant. A connection was shown between the mesh properties, drum test and the chem., mineralogical, and particle-size composition. The transfer of I from the hoppers onto the shafts of a blast furnace doubled the size of the 0.075-mm fraction. With increasing content of FeO in I from 9.21 to 10.2%, the proportion of fines <3 mm in the hoppers dropped by 31.5%. The drum test of I gave very variable results in different degrees, depending on the drum content. The higher the drum, i.e., the lower the belt, should be the drum, the more selective drum test. The results of numerous studies show that the mesh strength of I is very low. The structure characteristics of the composition of aggregates composed between the drum test and the particle-size composition are not uniform and depend on the conditions of uniform conditions of agglomeration and type of ore. Therefore, the drum test is representative for the conditions of use under defined conditions. To obtain a more complete picture of other conditions it should be supplemented by a particle size analysis of I. S. B. Lyubchenko.

БОКЛЮЧ, Yu.D.

Age of metamorphic formations in the Iaba basin (Northern
Caucasus). Sov.geol. 8 no.10:136-137 0 '65.

(MIRA 18:12)

1. Donetskii politekhnicheskii institut.

TAIROV, Vladimir Dmitriyevich; VOL'VICH, Nikolay Iosifovich; MEDVEDEV, Mikhail Ivanovich. Prinimali uchastiye: BOCHKOVSKAYA, N.L., starshiy inzh.; YEZHEL', F.A., glav. arkhitektor; ALEKSANDROVSKIY, A., red.; ZELENKOVA, Ye., tekhn. red.

[Built-up roofs] Sovmeshchennye pokrytiia. Kiev, Gos. izd-vo lit-ry po stroit. i arkhit. USSR, 1961. 74 p. (MIRA 14:9)

1. Rabotniki Nauchno-issledovatel'skogo instituta stroitel'nykh konstruktsiy i Nauchno-issledovatel'skiy institut eksperimental'nogo proyektirovaniya Akademii stroitel'stva i arkhitektury USSR (for Tairov, Vol'vich, Medvedev).

(Roc4s)

1. BOCHKOVSKAYA, I. V.; GUNPRIN, N. YA.; RING, V. M.
2. USSR (600)
4. Mining Engineering - Krivoi Rog.
7. Experience with the work of all-around brigades in the mines of the Krivoi Rog Basin.
gor. zhur. no. 11, 1952.

9. Monthly List of Russian Accessions, Library of Congress, January, 1953. Unclassified.

BOCHKOVSKAYA, I.V.; ZVLAGINTSEVA, Ye.P.; KNIZBERGER, V.I., redaktor;
~~ANDREYEV, S.P.~~, tekhnicheskii redaktor.

[Practice of multiple hammer boring in rising mine shafts of the
"Leninruda" trust in the Krivoi Rog Basin] Opyt mnogomolotkovogo
bureniia v vosstaiushchikh vyrabotkakh na shakhtakh tresta "Lenin-
ruda" v Krivorozhskom basseine. Khar'kov, Gos.nauchno-tekhn. izd-
vo lit-ry po chernoi i tsvetnoi metallurgii, 1954. 40 p.

(MLRA 7:12)

(Boring) (Krivoi Rog--Mines and mining)

BOCHKOVSKAYA, I.V.; OKUNEV, A.L.; OSTROUKHOV, A.I., redakter; SINYAVSKAYA,
YE.K., redakter; ANDREYEV, S.P., tekhnicheskij redakter.

[Work practice in operating the BES-2 type drilling machine in the
Krivey Rog Basin] Opyt ekspluatatsii burevogo stanka tipa BES-2 v
Kriverozhskom basseine. Khar'kov, Gos.nauchno-tekhn.isd-vo lit-ry
po chernoi i tsvetnoi metallurgii, 1955. 28 p. (MLRA 9:6)
(Krivey Rog)

BOCHKOVSKAYA, I.V., gornyy inzhener; PETRENKO, L.M., gornyy inzhener

Practice of multi-hammer boring with separate borehole washing.
Gor.shur. no.4:27-30 Ap '55. (MLRA 8:7)
(Boring)

BOCHKOVSKAYA, I.V.; SATANOVSKIY, L.A.; SHOSTAK, A.G., redaktor; SINYAVSKAYA, I.B.I., redaktor; ANDREYEV, S.P., tekhnicheskii redaktor.

[Using mining conveyers in the Krivoy Rog Basin] Opyt primeneniya prokhdcheskikh transporterov v Krivorozhskom Basseine. Khar'kov, Gos.nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1956. 34 p. (Krivoy Rog—Mining machinery) (MLRA 9:6)

BOCHKOVSKAYA, I.V., gornyy inzhener; YESIPENKO, G.I., gornyy inzhener;
BRIKOV, I.I., gornyy inzhener.

Testing rock ammonite in the Krivoy Rog Basin. Gor. zhur. no.7:37-
39 JI '57. (MERA 10:8)

(Krivoy Rog--Explosives--Testing)

BOCHKOVSKAYA, I.V., gornyy inzh., red.; BONDARENKO, Yu.A., gornyy inzh., red.; VELICHKO, A.P., gornyy inzh., red.; GONTARENKO, V.A., gornyy inzh., red.; OSTASHEVSKIY, G.Ye., gornyy inzh., red.; OKUNEV, A.L., gornyy inzh., red.; KIRILENKO, R.Ye., gornyy inzh., red.; LADOZHINSKIY, V.N., gornyy inzh., red.; LOBAS, A.S., gornyy inzh., red.; MAKAROVA, N.I., gornyy inzh., red.; POLYANSKIY, F.S., gornyy inzh., red.; SHTUNDER, I.I., gornyy inzh., red.; ARSENT'YEV, A.I., kand. tekhn. nauk, otv. red.; PROZOROVSKIY, Ye.G., tekhn. red.

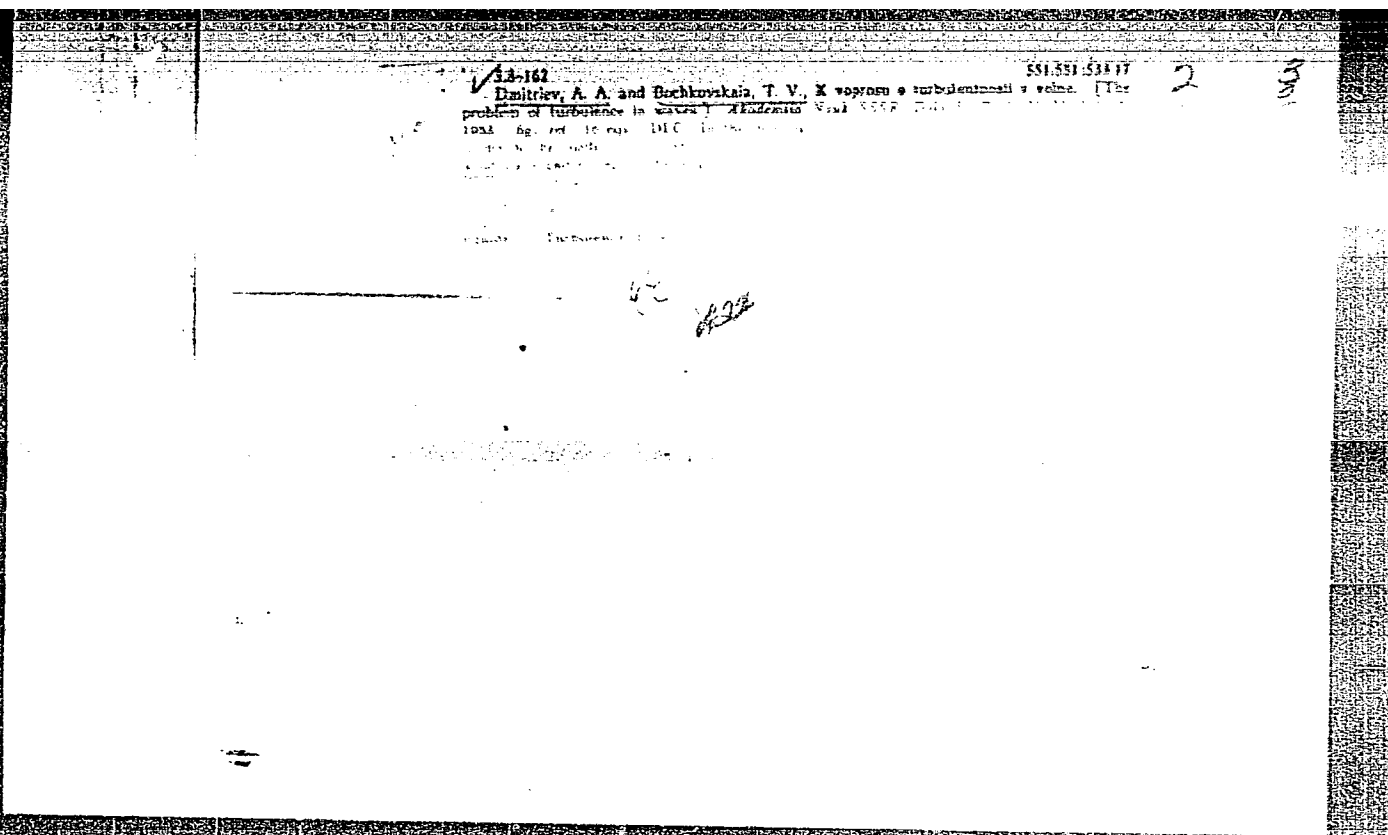
[Handbook on engineering standardization for open-pit mining]
Spravochnik po tekhnicheskomu normirovaniyu otkrytykh gornykh
rabot. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po gornomu
delu, 1961. 264 p. (MIRA 14:10)

1. Krivoy Rog. Gornorudnyy institut.
(Strip mining—Standards)

OSMOLOVSKIY, Valentin Vasil'yevich; IOFFE, Zinoviy Moiseyevich;
GURVICH, Mikhail Abramovich; BOCHKOVSKAYA, Irina
Vladimirovna; PINEGIN, I.I., otv. red.; OSVAL'D, E.Ya.,
red.izd-va; IL'INSKAYA, G.M., tekhn. red.

[Industrial organization and planning in the ore mining
industry] Organizatsiia proizvodstva i planirovanie v
gornorudnoi promyshlennosti. [By] V.V.Osmolovskii i dr.
Moskva, Gosgortekhzdat, 1963. 351 p. (MIRA 16:11)
(Mine management)

1. BOCHKOVSKAYA, N. V.
2. USSR (600)
4. Technology
7. The experience of sinking horizontal shafts in Krivoi Rog basin I. M. Makarenko. Khar'kov, Metallurgizdat, 1951
9. Monthly List of Russian Accessions, Library of Congress, February 1953, Unclassified.



BOCHKOVSKIY, A.M., gornyy inzh.; VITORT, G.K., kand. tekhn. nauk

Testing percussion pneumatic bits with large hard-alloy plates.
Gor. zhur. no.7:62-64 J1 '65. (MIRA 18:8)

1. Institut sverkhтвердых материалов Gosplana UkrSSR, Kiyev.

BOCHKOVSKIY, A.N., tekhnik-osemenator sel'skokhozyaystvennykh zhiivotnykh

Artificial insemination of animals under conditions of poor light.
Zhivotnovodstvo 21 no.11:80 N '59 (MIRA 13:3)

1. Kolkhoz imeni Kalinina, Dnepropetrovskiy rayon, Dnepropetrovskoy oblasti.

(Artificial insemination) (Veterinary instruments and apparatus)

BOCHKOVERIY, B.F., inzh.; VOL'FOV, K.D., inzh.; KUCHENKA, N.G., inzh.;
MAYKOVA, A.S., kand. tezhn. nauk; SEMEBRYANOVA, T.I., inzh.

Measurement of the parameters of lightning on the towers of
two-circuit 220Kv. electric power transmission lines. Elek.
sta. 35 no.6:47-51 Je '64. (MIRA 18:1)

BOCHKOVSKIY, B.B., inzh.

Criteriaological methods for the analysis of static and dynamic
characteristics of impulse corona. Trudy VNIIE no.21:58-69 '64.
(MIRA 19:2)

BOCHKOVSKIY, B.B., inzh.; SEREBRYAKOVA, Z.I.

Measurement of electromagnetic fields around transmission
line towers with lattice structure. Trudy VNIIE no.21:
107-112 '64. (MIRA 19:2)

L 10023-67

ACC NR: AP6023610 (A, N) SOURCE CODE: UR/0105/66/000/007/0022/0028

AUTHOR: Bochkovskiy, B. B. (Engineer)

27

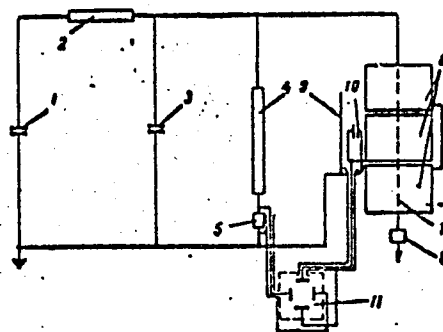
ORG: VNIE

TITLE: Impulse corona on single and split conductors

SOURCE: Elektrichestvo, no. 7, 1966, 22-28

TOPIC TAGS: electric power transmission,
electric corona

ABSTRACT: The results are reported of an experimental investigation of an impulse corona on a conductor placed inside a metal cylinder. The experimental hookup included (see figure): impulse-voltage generator 1, front resistor 2, front capacitor 3, 6-kohm voltage divider 4, divider shunt 5, 300-cm metal cylinder 6, test conductor 7, weight 8, metal shield 9, capacitor 10, oscillograph plates 11. Volt-coulomb characteristics of the impulse corona measured with this hookup are



Experimental hookup for
measuring impulse-corona
volt-coulomb characteristics

Card 1/2

UDC: 621.3.015.532

L 10023-67

ACC NR: AP6023610

shown. Combined with other researchers' data (C. F. Wagner et al., Trans. AIEE, 1955, pt. 3, p. 858; C. D. MacCann, Trans. AIEE, 1943, p. 818) these characteristics are used in constructing a "generalized impulse-corona characteristic," in the $Q/Q_1 = f(u/U_1)$ coordinates; here, Q is the conductor charge at voltage u , Q_1 is the conductor charge at initial corona voltage U_1 . Conductor diameters involved were 0.12–3.36 cm. The generalized characteristic is used for deducing formulas for dynamic conductor-ground wire coupling coefficients with an allowance for the impulse corona; also, a formula for the characteristic impedance of a corona-discharging line is deduced. Experiments with split-phase conductors (2xASO-600 and 3xASO-600, 40-cm spacing; 4xASO-600, 60-cm spacing) showed that the above formulas are applicable if certain correction factors are used. Orig. art. has: 8 figures, 19 formulas, and 6 tables.

SUB CODE: 09 / SUBM DATE: 22Jul65 / ORIG REF: 011 / OTH REF: 003

Card 2/2 egk

1ST AND 2ND CODES		PROCESSING AND PROPERTY INDEX		3RD AND 4TH CODES	
<i>la</i> <i>BOCHKOVSKIYA</i>		Humus sapropel coals of the western part of the Donetsk Basin as raw materials for oil fuel. F. A. Bochkovskii. <i>J. Geol., Acad. Sci. Ukrain. S. S. R.</i> 7, No. 3, 93-132 (in English, 131-2) (1940).—The Carboniferous coal deposits were formed under salt-water conditions. Samples from the <i>M</i>₁ and the <i>O</i>₁ strata, resp., contain ash 20-6, 10.0; volatile matter 57-67, 62.3; C 74, 76.3; H 6.8, 6.0; N 4.8, 2.9; pitch 10-14, 23.0; O 13.65, —; S 0.85, —%. The tars contain phenols 0-7, 10.8; benzene 11.2, 12.6; kerosene fraction 32.1, 27.2%. The benzene fraction contains 20-28% aromatic compds., 10-18% unsatd. hydrocarbons and has a high antiknock value. F. H. Rathmann		21	
ASR-ELA METALLURGICAL LITERATURE CLASSIFICATION					
FROM DIVISION					
FROM DIVISION					

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BOCHKOVSKIY, F. A.

USSR/Geology - Coal, Don Basin

21 Jun 53

"Conditions Governing the Deposit Formation of Layers C_1 and C_2 in the Krasnoarmeysk Coal-bearing Region of the Don Basin," F. A. Bochkovskiy

DAW SSSR, Vol 90, No 6, pp 1103-1106

Concludes: 1) the eastern limits of the extended area of all coal seams in both the C_1 layer and the C_2 layer terminate approximately in the same place in the eastern part of the Krasnoarmeysk region; 2) the outline of this boundary for a given layer in a known dimension repeats the outline of the boundary

269T52

of expansion of the underlying layer; 3) the width of the coal layer decreases in approaching the eastern boundary of its extension; 4) the coal seams are cleaved within the same boundary; 5) the coal to the east is mixed with carbonaceous shale; 6) the coal layer f_0^2 in the East is mixed with argillite and marine fauna. Presented by Acad D. V. Nalivkin 16 Apr 53.

269T52

VOLKOVA, I.B.; NALIVKIN, D.V.; SLATVINSKAYA, Ye.A.; BOGOMAZOV, V.M.;
 GAVRILOVA, O.I.; GUREVICH, A.B.; MUDROV, A.M.; NIKOL'SKIY, V.M.;
 OSHURKOVA, M.V.; PETRENKO, A.A.; POGREBITSKIY, Ye.O.; RITENBERG,
 M.I.; BOCHKOVSKIY, F.A.; KIM, N.G.; LUSHCHIKHIN, G.M.; LYUBER,
 A.A.; MARSDONTSOV, A.V.; SENDERZON, E.M.; SINITSYN, V.M.; SHORIN,
 V.P.; BELYANKIN, L.F.; VAL'TS, I.E.; VLASOV, V.M.; ISHINA, T.A.;
 KONIVETS, V.I.; MARKOVICH, Ye.M.; MOKRINSKIY, V.V.; PROSVIRYAKOVA,
 Z.P.; RADCHENKO, O.A.; SEMERIKOV, A.A.; FADDEYEVA, Z.I.; BUTOVA,
 Ye.P.; VERBITSKAYA, Z.I.; DZENS-LITOVSKAYA, O.A.; DUBAR', G.P.;
 IVANOV, N.V.; KARPOV, N.F.; KOLESNIKOV, Ch.M.; NEFED'YEV, L.P.;
 POPOV, G.G.; SHTEMPEL', B.M.; KIRYUKOV, V.V.; LAVROV, V.V.;
 SAL'NIKOV, B.A.; MONAKHOVA, L.P.[deceased]; MURATOV, M.V.;
 GORSKIY, I.I., glav. red.; GUSEV, A.I., red.; MOLCHANOV, I.I.,
 red.; TYZHN OV, A.V., red.; SHABAROV, N.V., red.; YAVORSKIY, V.I.,
 red.; REYKHERT, L.A., red.izd-va; ZAMARAYEVA, R.A., tekhn. red

[Atlas of maps of coal deposits of the U.S.S.R.] Atlas kart ugle-
 nakopleniya na territorii SSSR. Glav. red. I.I.Gorskiy. Zam.
 glav. red. V.V.Mokrinskiy. Chleny red. kollegii: F.A.Bochkovski
 i dr. Moskva, Izd-vo Akad. nauk SSSR, 1962. 17 p.

(MIRA 16:3)
 1. Akademiya nauk SSSR. Laboratoriya geologii uglia. 2. Chlen-
 korrespondent Akademii nauk SSSR (for Murator).
 (Coal geology—Maps)

AUTHOR: Bochkovskiy, I.I., Pensioner SOV/111-58-2-22/27
TITLE: The Strike of the Yakutsk Communication Workers (Zabastovka
yakutskikh svyazistov)
PERIODICAL: Vestnik svyazi, 1958, Nr 2, p 30 (USSR)
ABSTRACT: The article contains the memoirs of a former communication
employee who participated in the strike of the Yakutsk
communication employees at the end of February 1918.

Card 1/1

GOLITSYN, Boris Borisovich [deceased, 1862-1916]; PREDVODITELEV, A.S., otv. red.tome; BOCHKOVSKIY, V.F., prof., red.; GORSHKOV, G.P., prof., red.; KIRNOS, D.P., prof., red.; SAVARENSKIY, Ye.F., prof., red.; SAVARENSKIY, Ye.F., prof., red.; VVEDENSKAYA, A.V., kand.fiz.-mat. nauk, red.; VESHNYAKOV, N.V., kand.fiz.-matem.nauk, red.; LEVITSKAYA, A.Ye., kand.fiz.-matem.nauk, red.; LINDEN, N.A., kand.fiz.-matem. nauk, red.; FILIPPOV, L.P., kand.fiz.-matem.nauk, red.; KHARIN, D.A., kand.fiz.-matem.nauk, red.; ALEKSEYEV, D.M., red.izd-va; MARKOVICH, S.G., tekhn.red.

[Selected works] Izbrannye trudy. Moskva, Izd-vo Akad.nauk SSSR.
Vol.1. [Physics] Fizika. 1960. 241 p. (MIRA 13:11)

1.Chlen-korrespondent AN SSSR (for Predvoditelev).
(Physics)

BOCHKOVSKIY, Yu.V.

Some problems on radio electronics in the secondary school physics
course. Uch.zap.Chuv.gos.ped.inst. no.7:35-46 '59.

(Radio--Study and teaching) (MIRA 13:9)

BOCHKOVSKIY, Yu.V.

Device for demonstrating the law of the conservation of momentum. Uch.zap.Chuv.gos.ped.inst. no.7:47-48 :59.

(Physical instruments)

(Motion)

(MIRA 13:9)

BYCHENKOV, Yuriy Dmitriyevich, mladshiy nauchnyy sotrudnik; SEREGIN, I.N..
Prinimali uchastiye: KOLOMENSKIY, A.P., inzh.; STOYAROV, M.P.,
inzh.; VILIN, N.G., inzh.; VALYUS, V.M., inzh.; BOCHMAN, G.P.,
tekhn. YKRIN, B.G., red.; SERGEYEV, A.F., red. ~~red-va~~; DONSKAYA,
G.D., tekhn.red.

[Investigating the performance of stretching equipment and cone-
type anchorages] Issledovanie raboty natiashnogo oborudovaniya
i konusnykh ankerov. Moskva, Nauchno-tekhn.izd-vo M-va avtomo-
bil'nogo transp. i shosseinykh dorog RSFSR, 1959. 27 p.

(MIRA 13:4)

1. Nachal'nik laboratorii zhelezobetonnykh konstruktsey Gosudarstven-
nogo Vsesoyuznogo dorozhnogo nauchno-issledovatel'skogo instituta
(SOYUZDORNII) (for Seregin).
(Prestressed concrete)

~~BOCHNACKI, Z.~~ [Bochnacki, Z.].

Characteristics of forbidden beta transitions in deformed nuclei.
Izv. AN SSSR Ser. fiz. 22 no. 2:158-161 F '58. (MIRA 11:4)

1. Institut yadernykh issledovaniy Pol'skoy AN, Krakov.
(Nuclei, Atomic) (Spectrum, Atomic) (Quantum theory)

BOCHNACKI, Z.; OGATA, S.

Spin polarization effect and magnetic moments of odd-A deformed nuclei. Inst fiz jadr report no.361:1-14 '64.

1. Institute of Nuclear Physics, Krakow, of the Polish Academy of Sciences.

BOCHNACKI, Z.; OGAZA, S.

On the magnetic properties of the ¹⁵³Eu nucleus. Inst fiz jadr
report no.359:1-8 Ag '64.

1. Institute of Nuclear Physics, Krakow.

KOSSOWSKI, M.; BOCHNAIRZ, J.

Remarks on the influence of autumn drought on the formation of
yields of winter crops. Postępy nauk roln 7 no.2:25-53 Nr /Ap '60.
(EEAI 9:10)

1. Instytut Uprawy, Nawożenia i Gleboznawstwa, Pulawy.
(Poland--Crop yields)

BOCHNIARZ, Maria; BOCHNIARZ, Jozef

Cultivation of maize mixed with leguminous crop mixtures.
Postepy nauk roln 10 no.3:109-120 My-Je'63

1. Insytut Uprawy, Nawozenia i Gleboznawstwa, Pulawy.

BOCHNIARZ, Josef

Observations on the biology of the flowering of grasses. Roczn. nauk
roln rosl 83 no.1:177-202 '60. (KEAI 10:7)

1. Zakład Fizjologii Roslin Instytutu Uprawy, Nawożenia i
Gleboznawstwa w Pulawach.
(Poland--Grasses)

BOCHNIARZ, Maria; BOCHNIARZ, Jozef

Cultivation of maize mixed with leguminous crop mixtures.
Postepy nauk roln 10 no.3:109-120 My-Je'63

1. Insytut Uprawy, Nawozenia i Gleboznawstwa, Pulawy.

BARTA, Ladislav, inz.; BOCHNAL, Bohumil, inz.; KUKOL, Jan, inz.

Technical development in railroad transportation; discussion. Zel
dop tech 10 no.10;289-290 '62.

BOCHNER, J.

Tasks of railroad service in 1954, p. 121. (PRZEGLAD KOLEJOWY, Vol. 6, No. 4, Apr. 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

Nov 10 4:13 PM '61

P/025/60/000/004/001/001
D001/D101

AUTHOR: Bochnia, Stanisław, Engineer

TITLE: Gasoline ethylization

PERIODICAL: Nafta, no. 4, 1960, 108-112

TEXT: In this article the author describes several methods of blending gasoline with tetraethyl-lead. Because of economic and technical advantages, blended gasoline is now being used all over the world both by motor vehicles and aircraft. Two types of blending fluid are used in Poland. The "R-9" produced in the USSR and the US-produced "1-TS". Blending fluids are composed of tetraethyl-lead and suitable "carriers", organic bromine compounds which prevent condensation of tetraethyl-lead combustion gases and a resulting lead deposit on the cylinders. Physical properties of blending fluid components are described in the article. It is stated, for instance, that the Soviet-produced "R-9" has a high rate of evaporation and that it should therefore be stored at temperatures not exceeding 15°C. The rest of the article is devoted to a description

Card 1/2

Gasoline ethylization

P/025/60/000/004/001/001
D001/D101

of various standard technical processes employed in the dispensation,
storage, homogenization and safe handling of tetraethyl-lead.

ASSOCIATION: Biuro Projektów Urządzeń Dystrybucji Paliw Płynnych
(Project Office for the Distribution of Liquid Fuels).

Card 2/2

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BOCHNIAK J.

Szałowski S.: Księgowość bankowa (bank accountancy) by Bochniak J. Reported
in New Books (Nowe Książki.) February 15, 1956. No. 4.

BOCHNICEK, Z.

Measurement of high temperatures by optical filters. p.30. MATEMATICKO-FYZIKALNY CASOPIS. (Sovenska akademis vied) Bratislava. Vol. 6, 1, 1956

SOURCE: East European Accessions List, (EEAL) Library of Congress
Vol. 5, no. 8, August 1956

BOCHORAK, ZDENEK
POLSTER, Miroslav, RNDr; BOCHORAK, Zdenek, PhMr

Sagen; a new disinfectant for minor water supply sources. Cesk.
hyg. epidem. mikrob. 2 no.2:157-163 Apr '53.

1. Z hygienického ustavu lekarske fakulty v Brne.
 (WATER SUPPLY,
 disinfection with sagen)
 (ANTISEPTICS,
 sagen in water disinfection)

EXCERPTA MEDICA Sec 9 Vol 13/6 Surgery June 59

3026. (874) MANAGEMENT OF BURNS BY MEANS OF ADHESIVE PLASTIC COVER - Ošetření popálenin adhezivním plastickým krytem - Bochofák Z. and Medlický O. Chir. Odd., Krajské Dětské Nemocn., Brno - ROZHIL. CHIR. 1958, 37/6 (376-378)

At the regular scientific meeting of pediatricians of the Brno region, held in May, 1955, the authors delivered a preliminary report on the use of plastic covering masses in the medical treatment of milder burns. Since that time they have always used that method for all cases in which the burned area did not exceed 15% of the total body surface (Lund and Browder). The covering material used was polyvinyl acetate (PVAC) in a 10-20% chloroform solution, applied in three layers. When the cover is damaged a new layer is applied after cleansing with 3% tincture of iodine. The procedure is as follows: the region surrounding the burn is painted with a 3% solution of tincture of iodine and dried. Unbroken small blisters are used as a physiological compress layer. When the blisters have ruptured, the epithelium rests are removed first; after this preparation the PVAC solution is applied to the wound. When larger blisters are present they are first opened and the blister fluid drawn off before the PVAC solution is applied. The covering layer dries within 3-5 min. In small children a bandage can be placed over the cover mass to prevent its being damaged. (IX, 19)

LOMKATSI, T.S.; BOCHORIDZE, L.D.

Participation of basic and secondary alcohol fermentation
products in the synthesis of yeast protein. Soob. AN Gruz.
SSR 39 no.1:81-86 J1 '65. (MIRA 18:10)

BOCHORISHVILI, A.

Analogue of the illusion of weight in the sphere of pressure. Eksp.
issl. po psikhol. ust. 1:129-136 '58. (MIRA 13:12)
(Hallucinations and illusions)

BOCHORISHVILI, A. Sh. Cand Med Sci -- (diss) "Clinic, diagnosis, and pathomorphological description of malignant tumors of the Highmore sinus and the labyrinth of the ethmoid." Mos, 1959. 15 pp (Min of Health RSFSR. Central Inst for the Advanced Training of Physicians), 200 copies (KL, 49-59, 142)

BOCHORISHVILI, A.Sh.

Cytological examination of smears from the nasal cavity as a method for diagnosing malignant tumors of Highmore's sinus and the ethmoid labyrinth. Soob.AN Gruz.SSR 24 no.5:619-623 My '60. (MIRA 13:8)

1. Ministerstvo Zdravookhraneniya GruzSSR, Medsanchast' avtozavoda, Kutaisi. Predstavleno chlenom-korrespondentom Akademii K.P.Chikovani.
(NOSE--CANCER)

BOCHORISHVILI, A.Sh.

Papillomatosis of the antrum of Highmore and the labyrinth
of the ethmoid. Soob. AN Gruz. SSR 38 no.2:421-426 My '65.
(MIRA 18:9)

BOCHORISHVILI, A.Sh.

Pathomorphological characteristics of tumors of the Highmore's
antrum and the ethmoidal labyrinth. Soob. AN Gruz. SSR 39 no.2:
443-450 Ag '65. (MIRA 1819)

PRANGISHVILI, A.S., red.; KHODZHAVA, Z.I., red.; ABASHIDZE, E.K., red.;
BOCHORISHVILI, A.T., red.; BZHALAVA, I.T., red.; NATADZE, R.G.,
red.; MORAKIDZE, V.G., red.; SONGULASHVILI, M.I., red. izd-va;
KHOKHIASHVILI, V.M., red. izd-va; DZHAPARIDZE, N.A., tekhnred.

[Experimental studies on the psychology of attitude] Eksperi-
mental'nye issledovaniia po psikhologii ustanovki. Tbilisi,
1958. 398 p. (MIRA'12:11)

1. Akademiya nauk Gruzinskoy SSR. Tiflis. Institut psikhologii.
(Attitude (Psychology))

BOCHORISHVILI, A.T. (Tbilisi)

How to study the attitude theory of D.N.Uznadze. Vop. psikhol.
9 no.6:149-155 N-D '63. (MIRA 17:4)

BOCHORISHVILI, A.T.

Criticism of the transcendental theory of the meaning of words.
Trudy Inst.psikhol. AN Gruz.SSR 14:31-46 '63.

(MIRA 18:4)

BOCHORISHVILI, B.S.

Wider application of the modern experience of chemopharmaceutical industries. Med. prom. 17 no.6:10-12 Je'63 (MIRA 17:4)

1. Batumskiy kofeinovyy zavod.

BOCHORTSHVILI, A.T., akademik

Fundamental subjective condition for adequate knowledge. Soob.
AN Grus. SSR 40 no.1:3-9 0 '65. (MIRA 18:12)

1. Institut filosofii AN Gruzinskoy SSR. Submitted June 6, 1965.

MELIKADZE, I.G.; LARIN, R.R.; BEZHANOV, F. Kh.; Primali uchastiye:
KHUROSHVILI, G., inzh.; TSAGARELI, T., inzh.; ZAMTARADZE, E., inzh.;
BOCHORTSHVILI, G., tekhnik; MAYSURADZE, L., laborant; SHUBLADZE, G.,
laborant; PANKRATOVA, Ye., kammerez.

Investigation of teschenite disintegration by the thermal method.
Soob. AN Gruz. SSR 34 no.3:633-640 Je '64 (MIRA 18:1)

1. Institut gornogo dela imeni G.A. TSulukidze AN Gruzinskoy SSR.
Submitted November 25, 1963.

BOCHORISHVILI, G.B.

BOCHORISHVILI, G.B.

Effect of the central nervous system on regeneration of the bone
tissue. Trudy Inst. fiziol. 3:506-515 '54. (MLRA 8:2)

1. Laboratoriya kortiko-vistseral'noy patologii, zaveduyushchiy
I.T.Kurtsin i Nauchno-issledovatel'skiy institut travmatologii i
ortopedii Ministerstva zdravookhraneniya RSFSR, direktor V.I.Sazonov.

(REGENERATION,

bone, eff. of conditioned reflex disord.)

(BONE TISSUE, physiology,

regen., eff. of conditioned reflex disord.)

(REFLEX, CONDITIONED,

disord., eff. on bone regen.)

BOCHORICHCHI, G. F.

Bochorichchi, G. F.

"Experimental material on the regeneration of bone tissue in functional and organic injuries of the higher portions of the central nervous system." Acad Sci USSR. Inst of Physiology imeni I. P. Pavlov. Laboratory of Corticovisceral Pathology. Leningrad, 1956. (Dissertation for the Degree of Doctor in Medical Sciences).

Knizhnaya letopis'

No 34, 1956. Moscow.

BOCHORISHVILI, G.B.

Regeneration of bone tissue as affected by functional and organic injuries of the higher segments of the central nervous system. Soob. AN Gruz.SSR 17 no.9:835-842 '56. (MLRA 10:2)

1. Tbilisskiy meditsinskiy institut. Predstavleno akademikom K.D. Eristavi.

(Bones--Wounds and injuries)
(Regeneration (Biology))
(Brain--Wounds and injuries)

Name: BOCHORISHVILI, Georgiy Bagratovich

Dissertation: Experimental data on the regeneration
of bone tissue in the case of functional
and organic injuries to higher sections
of the central nervous system

Degree: Doc Med Sci

Affiliation: Tbilisi State Med Inst

Defense Date, Place: 19 Oct 56, Council of Inst of Physiology
imeni Pavlov, Acad of Sci USSR

Certification Date: 7 Sep 57

Source: BMVO 22/57

BOCHORISHVILI, Georgiy Bagratovich

[Influence of the central nervous system on the regeneration of bone tissue; experimental studies] Vliianie tsentral'noi nervnoi sistemy na regeneratsiiu kostnoi tkani; eksperimental'-nye issledovaniia. Tbilisi, Izd-vo Akademii nauk Gruzinskoi SSR, 1958. 235 p.

(MIRA 12:3)

(REGENERATION (BIOLOGY)) (BONE)

BOCHORISHVILI, G.B.

Influence of higher parts of the central nervous system on regenerative processes of bone tissues. Trudy Inst. fiziol. 7:405-415 '58.
(MIRA 12:3)

1. Laboratoriya kortiko-vistseral'noy patologii (zav. - I.T. Kurtsin)
Instituta fiziologii im. I.P. Pavlova AN SSSR.
(REGENERATION (BIOLOGY)) (BONES--WOUNDS AND INJURIES)
(CEREBRAL CORTEX)

BOGHORISHVILI, G. B.

Changes in the higher nervous activity caused by injuries of the
extremital bones. Soob. AN Gruz. SSR 20 no. 3:359-365 Mr '58.

(MIRA 11:7)

1. AN GruzSSR, Institut fiziologii im. akademika Pavlova. Predstavleno
akademikom K.D. Kristavi.

(EXTREMITIES (ANATOMY) -- FRACTURES)
(CONDITIONED RESPONSE)

BOGHORISHVILI, G.B.

Effect of a functionally weak cerebral cortex on the regeneration of bone tissue. Soob. AN Gruz.SSR 21 no.3:359-364 8 '58.

(MIRA 12:4)

1. AN SSSR, Institut fiziologii im. I.P. Pavlova, Leningrad. Predstavleni akademikom K.D. Kristavi.

(BONE)

(CEREBRAL CORTEX)

BOGHORISHVILI, G.Y.

Treating femoral fractures with osteosynthesis. Soob. AN Gruz.
SSR 23 no.3:339-346 S '59. (MIRA 13:3)

1. Tbilisskiy gosudarstvennyy meditsinskiy institut. Pred-
stavleno akademikom K.D.Eristavi.
(FEMUR--FRACTURES)

BOCHORISHVILI, G.B.

Acute arterial obstruction. Soob. An Gruz. SSR 25 no. 4:479-
184 0 '60. (MIRA 14:1)

1. Tbilisskiy gosudarstvennyy meditsinskiy institut, Predstavleno
akademikom K.D. Eristavi.

(ARTERIES--DISEASES)

BOGHORISHVILI, G.B.

Tissue therapy. Trudy Inst.eksp.i klin.khir.i gemat. AN Gruz.
SSR 10:303-315 '62. (TISSUE EXTRACTS) (MIRA 16:2)

KOMAKHIDZE, M.E.; AKHMETELI, T.I.; BOCHORISHVILI, G.B., red.;
VOLKOVA, I.P., red.izd-va; BOKERIYA, E.B., tekhn.red.

[Clinical aspects and surgical treatment of diseases of
the stomach following previous surgical interventions] Kli-
nika i khirurgicheskoe lechenie boleznei operirovannogo zhe-
ludka. Tbilisi, Izd-vo AN Gruz.SSR, 1963. 187 p.
(MIRA 17:3)

BOCHORISHVILI, Georgiy Bagratovich

[Spinal anesthesia] [Spinal'naia anesteziia. Tbilisi, Gos.
izd-vo "Sabchota Sakartvelo"] 1963. 160 p. [In Georgian]
(MIRA 17:5)

KOMAKHIDZE, M.S.; BOCHORISHVILI, G.P.

Acute appendicitis in senile and old age. Trudy Inst. eksp.
i klin. khir. i gemat. AN Gruz. SSR 11:241-251 '63.
(MIRA 17:8)

CHELISHVILI, M.L.; BOCHORISHVILI, N.Z.; PACHUASHVILI, R.I.

Magnetic properties of the manganese ores of the Chiatura deposit.
Soob. AN Gruz. SSR 35 no.3:549-552 S '64.

(MIRA 17:11)

1. Institut geofiziki AN GruzSSR. Predstavleno chlenom-korrespondentom AN GruzSSR M.M. Mirianashvili.

CHELISHVILI, M.L.; BOCHORISHVILI, N.Z.; PACHUASHVILI, R.I.

Magnetic field of the manganese deposits of the Mgvimevi upland.
Trudy Inst. geofiz. AN Gruz. SSR 22:6-12 '64.

(MIRA 18:12)

IVANOVA, S.P.; BOCHORISHVILI, V.G.

Rapid diagnosis of typhoid-paratyphoid diseases. Zhur.
mikrobiol., epid. i immun. 40 no.1861-65'63.

(MIRA 16:10)

1. Iz Voenno-meditsinskoy ordena Lenina akademii imeni Kirova.

*

BOCHORISHVILI, V.G.

Reciprocal transitions of intermittent block of the left
pedicle of the bundle of His and nodal rhythm in a patient
with rheumocarditis. Kardiologia 3 no.6:79-82 N-D '63.

(MIRA 17:6)

1. Iz kafedry infektsionnykh bolezney (zav. - prof. P.A. Alisov)
Voyenno-meditsinskoy ordena Lenina akademii ipeni S.M. Kirova.

BOCHOVKIN, I. M.

Bochovkin, I. M., and Bochovkina, J. I.-"Equilibrium in the System Urea--
Potassium Chloride--Water." (p. 624)

SO: Journal of General Chemistry, (Zhurnal Obshchei Khimii), 1947, Vol. 17, No. 4

BOCHRINGER, Janos (Debrecen)

To the board of editors! Ujit lap 14 no.24:30 25 D '62.

1ST AND 2ND ORDERS																									
PROCESSES AND PROPERTIES																									
ca Anti-friction alloys containing aluminum as a basis. A. M. BOCHVAR AND A. A. ROCHVAR. <i>Vestnik Metalloprod.</i> 1922, No. 5 (1), 54-61; <i>J. Ind. Metals</i> 44, 637 R. — H. M. B. consider, as the result of exam. the microstructure, that the binary alloys of Al with 15-20% of Si can be used as anti friction alloys, as also can ternary alloys Al-Si-Ca contg. 2.5-3% Ca and 3-4% Si. G. G.																									
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION																									

117 AND 118 ORDERS

PROCESSING AND PROPERTIES INDEX

119 AND 120 ORDERS

9

RECRYSTALLIZATION OF SOLID SOLUTIONS. Recrystallization of alloys of tin with antimony, bismuth, lead, copper and aluminum. A. A. BOCHVAR AND N. F. MERKUR'EV. *Tsvetnaya Metallurgiya* 3, 495-6(1930); *Chem. Zvesti.* 1930, 11, 710. It is shown that a decrease in recryst. effect can be produced by impurities which form solid solns. with Sn. Alloys of Sn with 0.5, 1 and 1.5% Sb, 0.5 and 1% Pb, 0.5 and 1% Bi, 0.5 and 1.0% Cu and 0.5 and 0.5% Al were investigated. The recrystn. tests were carried on by heating the alloys to 150-180°. The macrostructure of the recrystd. design was brought out by etching with a concd. FeCl₃ soln. in HCl or with a soln. of KClO₃ in HCl. All of the investigated impurities lowered the recrystn. tendency of the Sn. The effect of the impurities added was the greater, the smaller their sol. limits in solid Sn. Relatively small was the effect of Sb, which is sol. in Sn up to 10%. The effects of Pb and Bi were greater; those of Cu and Al, which are almost insol. in Sn, most decided. Thus, the influence of addns. which form solid solns. in this respect are analogous to their influence on hardness and elec. cond.

CURTIS L. WILSON

ASR-514 METALLURGICAL LITERATURE CLASSIFICATION

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1ST AND 2ND DEGREES										3RD AND 4TH DEGREES									
PROCESS AND PROPERTIES INDEX																			
CA Coefficients of linear expansion of antifriction metals. A. A. BOCHVAR AND A. A. MAURAKH. <i>Tsvetnaya Metal.</i> 1930, 504-7. — Samples of antifriction metals were prepd. in a H₂ atm. and tested for their coeffs. of expansion from 20° to 200°. Sample No. 0 contains 100% Sn and has α (linear coeff. $\times 10^{-6}$) = 23.50; No. 1, 83% Sn, 12% Sb, α = 24.20; No. 2, 16% Sn, 16% Sb, 65% Pb and 3% Cu, α = 26.50; No. 3, 16% Sn, 15% Sb, 70% Pb, 3% Cu, α = 27.40; No. 4, 5% Sn, 15% Sb, 77% Pb, 3% Cu, α = 28.40; No. 5, 17% Sb, 81.5% Pb, 1.5% Cu, α = 28.5; No. 6, 98.9% Pb, 0.6% Cu, 0.5% Na, α = 36.3. The lowest crit. points of these alloys are, in the order given above, 212, 215, 243, 243, 243 and 325. S. L. MASHINSKY																			
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ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION																			
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12000 NICKEL										12000 TITANIUM									
12000 MAGNESIUM										12000 BARIUM									
12000 STRONTIUM										12000 RADIUM									
12000 POLONIUM										12000 ACTINIUM									
12000 THORIUM										12000 URANIUM									
12000 PLUTONIUM										12000 AMERICIUM									
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1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
PROCESSES AND PROPERTIES INDEX																																																			
Phase diagrams of molten lithium salts. A. A. Bockvar. <i>Tsvetnie Metalli</i> 1930, 308-12; <i>Chem. Zentr.</i> 1930, II, 530. — For prepg. pure Li by electrolysis the freezing curves of LiF-LiBr, LiF-LiCl and LiCl-LiBr were detd. Mixts. of LiCl-LiF with 18% LiF (m. 485°) and LiBr-LiF with 11% LiF (m. 453°) give the best results. A. B.																																																			
ASB-51A METALLURGICAL LITERATURE CLASSIFICATION																																																			

CA

9

Prevention of re crystallization by a preliminary short annealing. A. A. BOCHVAR.
Tsvetniss Metal. 1931, 587-94.—B. investigated the effect of preliminary short annealing
on grain growth after cold deformation in metals which in service are liable to heating
above recrystn. temps. The tests were made on 2 grades of tin, 99.8 and 99.9% pure
First, the rate of grain growth of cold-worked samples (Brinell impressions) was detd.
at temps. of 100-180°. In the second set of expts. the cold-worked samples were first
annealed for a short time and then heated for a long time at temps. slightly lower than
the preliminary annealing. A preliminary annealing for a few sec. at temps. 15° or
more higher than the (possible service) temp. of the long annealing is sufficient to prevent
any further appreciable grain growth. The grain size after preliminary annealing im-
creased somewhat, but it always was less than that of specimens heated for a long time
without the preliminary annealing. Heating for 2-10 sec. at 165° or 181° was sufficient
to prevent further grain growth at 150°. These results were verified by further expts.
B. N. DANILOFF

CO

PROCESSED AND PROPERTY INDEX

Rapid method for the determination of tin in anti-friction alloys. A. A. RUDNIN
AND V. N. MASLONNIKOV. *Tsvetnaya Metallurgiya*, 1960-3(1030); *Chemical Industry* 25:
616-7(1931).—The use of metallic Cd is recommended as reducing agent in the volumetric
dets. of Sn, as follows: dissolve 0.25-0.5 g. of sample in 20 cc. HCl (d 1.12),
add 0.5-1 g. KClO₄, heat 10 min. to drive off Cl₂, add 20 cc. HCl (d 1.12) and then
2 g. of lump Cd, boil about 20 min. till the Cd is completely dissolved and no bubbles
of H₂ are evolved, heat 1-2 min. longer to make certain that the Sn remains in soln.,
add some marble, cool and titrate with I₂. The method has the advantages that re-
duction with Cd is more rapid than with the other metals that have been proposed and
that the end point of the titration is sharp. A. P. C.

ASB-35A METALLURGICAL LITERATURE CLASSIFICATION

1200-514 03104

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1ST AND 2ND COVER													3RD AND 4TH COVER												
PROCESSES AND PROPERTIES INDEX																									
M 9 Determination of Tin in Babbitt Metal by Reduction with Zinc. A. A. Botchyar and A. M. Potapova (<i>Zvezdye Metallurgii (The Non-Ferrous Metals)</i>, 1933, 310-321; C. Aba., 1933, 37, 3295).—[In Russian.] Dissolve a 0.2-0.3 grm. sample in 30 c.c. HCl (d 1.2) with a small quantity of $KClO_4$ (0.5-1 grm.). Boil for 10 minutes to remove Cl_2, add 3 grm. Zn, boil for 15-20 minutes until all Zn is dissolved, and then 1-2 minutes more to ensure the complete solution of the Sn. Remove from the flame, introduce a small piece of coarse-grained marble, cool rapidly under tap-water without shaking, and titrate with I_2. —S. G.																									
ASB-35A METALLURGICAL LITERATURE CLASSIFICATION 8-27																									
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1ST AND 2ND ORDERS										PROCESSES AND PROPERTIES INDEX										3RD AND 4TH ORDERS									
CA 2 Theory of recrystallization. E. F. Bakhmetev, A. A. Rogovin, G. S. Zhdanov and Ya. S. Umanakiv. J. Tech. Phys. (U. S. S. R.) 2, 161-72(1932).--Nuclei, recuperation, energy distribution and polycrystallinity are discussed. F. H. Rathmann																													
ASR-SLA DETALLURGICAL LITERATURE CLASSIFICATION																													
1ST ORDER										2ND ORDER										3RD ORDER									
1ST ORDER										2ND ORDER										3RD ORDER									